

## A B S T R A C T

The invention proposes a method for handling ATM traffic comprising packets of AAL5 type composed of ATM cells, at a network node at VP-layer. The method comprises monitoring each of the cells incoming the node to obtain information at least on its VC-layer and VP-layer parameters, processing information on the mentioned parameters and registering the processed information concerning each of the cells in a statistical database to obtain statistical data with respect to at least the VC-layer and VP-layer parameters of the packets handled at the node. 10